

Purchase Order Receipt Listing

Wednesday, December 07, 2016 10:15:03 AM

All amounts are calculated in domestic currency.

All Vendors PO ID PO34489 All Receipt Dates All Line Item Types
All Item ID/GL/WOs All Rec. Employees All Currencies
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M/ Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor ID \ Vendor Name VC-COP001 Thyssenkrupp Materials CA Ltd											
PO34489	1		M6061T6B0.500X02. f		12/7/2016	12/7/2016	12.0000	\$3.41	0.0000	0	\$40.96
CAD	No		6061-T6 Bar .500 x 2.00	f	12.0000	PLOU01		\$40.96	0.0000	0	
			mm136327								
	2		M6061T6B1.250X01. f		12/7/2016	12/7/2016	12.0000	\$3.41	0.0000	0	\$40.96
	No		6061-T6 Bar 1.25 x 1.25	f	12.0000	PLOU01		\$40.96	0.0000	0	
			mm136327								
	3		M6061T6B2.000X01. f		12/7/2016	12/7/2016	12.0000	\$6.20	0.0000	0	\$74.35
	No		6061-T6 Bar 2.00 x 1.25	f	12.0000	PLOU01		\$74.35	0.0000	0	
			mm136327								
	4		M6061T6R0.500 f		12/7/2016	12/7/2016	12.0000	\$3.41	0.0000	0	\$40.96
	No		6061-T6 Round Bar .500"	f	12.0000	PLOU01		\$40.96	0.0000	0	
			mm136327								
	5		M6061T6R0.750 f		12/7/2016	12/7/2016	24.0000	\$1.79	0.0000	0	\$42.89
	No		6061-T6 Round Bar .750"	f	24.0000	PLOU01		\$42.89	0.0000	0	
			mm136327								
	7		M6061T6S.125 sf		12/7/2016	12/7/2016	48.0000	\$4.56	0.0000	0	\$218.94
	No		6061-T6 .125 Sheet	sf	48.0000	PLOU01		\$218.94	0.0000	0	
			mm136327								
	9		M303R0.500 f		12/7/2016	12/7/2016	24.0000	\$1.81	0.0000	0	\$43.55
	No		303 Round Bar 0.500" f	f	24.0000	PLOU01		\$43.55	0.0000	0	
			mm136327								
	10		M303R1.000 f		12/7/2016	12/7/2016	12.0000	\$6.20	0.0000	0	\$74.37
	No		303 Round Bar 1.00 f	f	12.0000	PLOU01		\$74.37	0.0000	0	
			mm136327								

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor ID \ Vendor Name VC-COP001 Thyssenkrupp Materials CA Ltd											
PO34489	11		M304S11GA	sf	12/7/2016	12/7/2016	32.0000	\$6.89	0.0000	0	\$220.43
CAD	No		304/316 0.125 Sheet mm136327	sf	32.0000	PLOU01		\$220.43	0.0000	0	
	12		M304S16GA	sf	12/7/2016	12/7/2016	120.0000	\$3.45	0.0000	0	\$413.88
	No		304/316 Sheet .063 mm136327	sf	120.0000	PLOU01		\$413.88	0.0000	0	
	13		M304S20GA	sf	12/7/2016	12/7/2016	64.0000	\$3.17	0.0000	0	\$202.57
	No		304/316 .040 Sheet mm136327	sf	64.0000	PLOU01		\$202.57	0.0000	0	
Total Received Quantity:											
Total Qty to Inspect (PO U/M):											
Total Reject Quantity:											
Total Receipt Value:											
Total Balance Due Quantity:											
											372.0000
											0.0000
											0.0000
											\$1,413.87
											0.0000

B I L L O F L A D I N G

Ship From:
 THYSSENKRUPP MATERIALS NA
 2821 LANGSTAFF ROAD
 CONCORD, ONTARIO L4K 5C6
 Tel: 905 669 9444 Fax: 905-738-9033

No: PEC 21092
 Ship Date 05Dec16 at 10:36 From PFW
 Probill
 Via VIM DELIVERY
 FOB CONCORD
 Frt PREPAID 12.063
 Route 0- 0 Manifest
 Vhcle Trailer
 Slp STAN IVERS (905-532-1350)
 Sold To: (20115)
 DART AEROSPACE
 1270 ABERDEEN ST
 HAWKESBURY, ON K6A 1K7

① Ship To: (1)
 DART AEROSPACE
 1270 ABERDEEN ST
 HAWKESBURY, ON K6A 1K7
 Tel: 613-632-9577 Fax: 613-632-1053

B I L L O F L A D I N G

1) Our Order PEC-994885- 1 Your PO # 34489

ALUMINUM FLAT BAR 6061-T6511
 .50" x 2.00" X 144.0000" ✓ 450703

Heat Number Tag No
 201616584 596770

Quantity PCS Wt LBS
 12 FT 1 15

MTR

2) Our Order PEC-994885- 2 Your PO # 34489

ALUMINUM SQUARE BAR 6061-T6511
 1.250" X 144.0000" ✓ 21318

Heat Number Tag No
 Z00240110 596771

Quantity PCS Wt LBS
 12 FT 1 22

MTR

3) Our Order PEC-994885- 3 Your PO # 34489

ALUMINUM FLAT BAR 6061-T6511
 1.250" x 2.00" X 144.0000" ✓ 450639

Heat Number Tag No
 201613776 596772

Quantity PCS Wt LBS
 12 FT 1 36

MTR

4) Our Order PEC-994885- 4 Your PO # 34489

ALUMINUM ROUND BAR 6061-T6511
 .50" DIA X 144.0000" ✓ 450639

Heat Number Tag No
 201612660 596773

Quantity PCS Wt LBS
 12 FT 1 4

MTR

5) Our Order PEC-994885- 5 Your PO # 34489

ALUMINUM ROUND BAR 6061-T6511
 .750" DIA X 144.0000" ✓ 450639

Heat Number Tag No
 201613234 596774

Quantity PCS Wt LBS
 24 FT 2 13

MTR

Page: 1Continued

ALUMINIUM • LAITON • CUIVRE • PLASTIQUE • ACIER
 ALUMINUM • BRASS • COPPER • PLASTICS • STEEL

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
 RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
 MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

B I L L O F L A D I N G

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

No: PEC 21092
Ship Date 05Dec16 at 10:36 From PFW
Probill
Via VIM DELIVERY
FOB CONCORD
Frnt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G

6) Our Order PEC-994885- 7 Your PO # 34489
ALUMINUM SHEET 6061 T6

.1250 Nom X 48.0000" X 144.0000"

Heat Number Tag No
RA31172 596420

Quantity PCS Wt LBS
48.00 SFT 1 83

7) Our Order PEC-994885- 8 Your PO # 34489
STAINLESS STEEL ROUND BAR 303 STAINLESS
.50" DIA X 144.0000"

Heat Number Tag No
020B 596775

Quantity PCS Wt LBS
24 FT 2 16

8) Our Order PEC-994885- 9 Your PO # 34489
STAINLESS STEEL ROUND BAR 303 STAINLESS
1.00" DIA X 144.0000"

Heat Number Tag No
Y4R5 596776

Quantity PCS Wt LBS
12 FT 1 33

9) Our Order PEC-994885- 10 Your PO # 34489
STAINLESS STEEL SHEET 304-2B
.1200 Nom X 48.0000" X 96.0000"

Heat Number Tag No
LZ600464 596427

Quantity PCS Wt LBS
32.00 SFT 1 153

10) Our Order PEC-994885- 11 Your PO # 34489
STAINLESS STEEL SHEET 304-2B
.0600 Nom X 48.0000" X 120.0000"

Heat Number Tag No
YU175063 596449

Quantity PCS Wt LBS
120.00 SFT 3 286

11) Our Order PEC-994885- 12 Your PO # 34489
STAINLESS STEEL SHEET 304-2B
.0360 Nom X 48.0000" X 96.0000"

Heat Number Tag No

Quantity PCS Wt LBS

Page: 2Continued

ALUMINIUM • LAITON • CUIVRE • PLASTIQUE • ACIER INOX
ALUMINUM • BRASS • COPPER • PLASTICS • STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

Ship From: **B I L L O F L A D I N G**
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

No: PEC 21092
Ship Date 05Dec16 at 10:36 From PFW
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Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

Ship To: (1)
DART AEROSPACE

=====

B I L L O F L A D I N G			
AOA010-AAD	596423	64.00 SFT	2
			92

TOTAL:	Tags 11	PCS 16	LBS 753
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Heat Number *** Chemical Analysis ***

020B
201612660
201613234
201613776
201616584
AOA010-AAD
LZ600464
RA31172
Y4R5
YU175063
Z00240110

SP/6-12-7

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **

TOTAL 1 BDL, 3 SKIDS GW. 1062 LBS

***** CLOSED FOR THE HOLIDAYS *****

ON DEC. 26, 29, 30/2016 & JAN. 2/2017.

WE ARE OPENED FOR BUSINESS ON DEC. 23, 27 & 28.

HAVE A HAPPY HOLIDAY SEASON!

*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA
CONCORD, ONT.* *** 9:00 AM TO 4:00 PM ***

Page: 3Continued

ALUMINIUM • LAITON • CUIVRE • PLASTIQUE • ACIER INOX
ALUMINUM • BRASS • COPPER • PLASTICS • STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION
TVQ/QST# 1017327981 TQ001 TPS/GST TVH/HST # 140223934 RT0001

DATE

B I L L O F L A D I N G

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

No: PEC 21092
Ship Date 05Dec16 at 10:36 From PFW
Probill
Via VIM DELIVERY
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G

***** TEL. 800-926-2600 *****

* WE STOCK STAINLESS STEEL *

* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

***UNE SURCHARGE D'ENERGIE DE \$25.00

SERA AJOUTEE A CHAQUE COMMANDE.***

***POUR VOS BESOINS D'ACIER INOXYDABLE,

CONTACTEZ-NOUS. NOUS L'AVONS! TEL. 800-926-2600

Page: 4 Last

ALUMINIUM • LAITON • CUIVRE • PLASTIQUE • ACIER INOX
ALUMINUM • BRASS • COPPER • PLASTICS • STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

THYSSENKRUPP MATERIALS NA

DART AEROSPACE
STAINLESS STEEL SHEET 304-2B
.0600 Nom X 48.0000" X 120.0000"
PART NO.

P.O./Ref 34489

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Signed by:

BL PEC-021092-010

Certificate of Mill Test Results

SDect16
Pg 1/1

YIEH MAU CORP.

DAS
48
9-8-10
10/12/10

INSPECTION CERTIFICATE

1995

INVOICE NO. : F14M971

COMMODITY : PRIME COLD ROLLED STAINLESS STEEL SHEET

SPECIFICATION : AISI 304 / 304L ASTM A240/A480-11a ASME SA240/SA480-11a
CUSTOMER : OLBERT METAL SALES LIMITED

NO. 345, SHUN-AN RD., LUZHU DIST.,
KAOSHUNG CITY 821, TAIWAN, (R.O.C.)
TEL NO. : 886-7-697-6266
FAX NO. : 886-7-697-3006
CERTIFICATE NO. : F14M971
DATE OF ISSUE: 10/07/2014
PAGE: 1

DATE OF ISSUE:10/07/2014
PAGE: 1

SIZE	No. of Product	Weight in KG	Heat No.	ID No.	Mechanical Properties Tensile Test (Gleeble 3000)					Chemical Composition (%)							
					Y.S. (N/mm ²)	T.S. (N/mm ²)	EL. (%)	HRB	HV	C x 100	Si x 100	Mn x 100	P x 1000	S x 1000	Ni x 100	Cr x 100	N x 100
304/304L 2B PL	1	2.294	YU175294	38S27064A-11	319	647	53	86	175	2.7	43	128	41	14	800	1820	3.5
11GA X 60" X 120"	1	2.294	YU175294	38S27064A-12	319	647	53	86	175	2.7	43	128	41	14	800	1820	3.5
12GA X 48" X 120"	1	2.275	YU175528	38S28482A-11	315	638	54	88	183	1.6	44	116	40	8	806	1801	3.8
12GA X 48" X 120"	1	2.274	YU175528	38S28482A-12	315	638	54	88	183	1.6	44	116	40	8	806	1801	3.8
14GA X 48" X 120"	1	2.274	YU175528	38S28482A-13	315	638	54	88	183	1.6	44	116	40	8	806	1801	3.8
14GA X 48" X 120"	1	2.260	LZ485X03	38S27275B-1	337	680	49	88	183	2.6	44	89	25	2	804	1818	5.6
18GA X 48" X 96"	1	2.276	YU175063	38S28782A-1	304	608	57	82	160	0.9	47	148	37	2	807	1807	4.4
18GA X 48" X 120"	1	2.286	YU175063	38S28782A-2	304	608	57	82	160	0.9	47	148	37	2	807	1807	4.4
16GA X 48" X 120"	1	2.286	YU175063	38S28782A-3	304	608	57	82	160	0.9	47	148	37	2	807	1807	4.4
18GA X 48" X 120"	1	2.286	YU175063	38S28782A-4	304	608	57	82	160	0.9	47	148	37	2	807	1807	4.4
18GA X 48" X 96"	1	2.264	YU270228	38S28495C-1	297	620	54	84	187	1.8	39	127	31	4	802	1805	3.8
18GA X 48" X 120"	1	2.243	YU270228	38S28495C-2	297	620	54	84	187	1.8	39	127	31	4	802	1805	3.8
Remarks: NO MERCURY CONTAMINATION																	
18 28571																	
WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN MADE IN ACCORDANCE WITH THE RULES OF THE MILL CERTIFICATE.																	
THE COUNTRY OF ORIGIN IS INDIA																	

Remarks: 18 28571

NO MERCURY CONTAMINATION
WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS
BEEN MADE IN ACCORDANCE WITH THE RULES OF THE MILL CERTIFICATE.

THE COUNTRY OF MELT AND MANUFACTURE : TAIWAN

YIEH MAU CORP.

Manager of Quality Assurance Section

THYSSENKRUPP MATERIALS NA

DART AEROSPACE
ALUMINUM FLAT BAR 6061-T6511
1.250" X 2.00" X 144.0000"
PART NO.

PO/Ref M489

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results
BL PEC-021092-003
SD Dec 16
Pg 1/1



Can Do.

Service Center Metals
5850 Quality Way
Prince George, VA 23875

CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

OUR ORDER NUMBER	ITEM
271075	1

BILL TO
ThyssenKrupp Materials NA-Concord, ON
SHIP TO
ThyssenKrupp Materials NA-Concord, ON
Quantity Certified 4,564 lbs 128 pcs

MANIFEST NUMBER 306297
CUSTOMER PO PEC-277237
CUSTOMER PART NUMBER MRB1792
DIE NUMBER MRB1792
DATE OF SHIPMENT 8/31/2016
SALES PERSON D. Schroeder (Canada)

CERTIFICATION
ASTM-B221-14 Specification
SPECIALIZATION
AMS-QQA-200/8 Rev-A

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. Items produced and certified as 6061-T6511 also meet the requirements of 6061-T6.

Mechanical Properties

Tests	Lot No.	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
6	201613776	8/13/16	min 47.60 max 51.30	min 42.80 max 47.30	min 14.45 max 17.05

DAS
14
9-89
16/12/15

Chemical Composition for Aluminum Alloy 6061

Cast #	Lot No.	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Each	Total	Melt Source:
1K160624Y	201613776	6061	0.75	0.41	0.33	0.09	0.91	0.10	0.04	0.02	97.35	0.05	0.15	United States of America
1M160624Y	201613776	6061	0.75	0.41	0.33	0.10	0.91	0.10	0.04	0.02	97.35	0.05	0.15	United States of America

SCM extrusions are manufactured in the USA.

Print Date: 8/31/2016

THYSSENKRUPP MATERIALS NA

DART AEROSPACE
ALUMINUM ROUND BAR 6061-T6511
750" DIA X 144.0000"
PART NO.

PO/Ref 34489

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

[Signature]

Certificate of Mill Test Results
BL PEC-021092-005
SD Dec 16
Pg 1/1



Can Do.

Service Center Metals
5850 Quality Way
Prince George, VA 23875

CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

OUR ORDER NUMBER	ITEM
272342	1

BILL TO ThyssenKrupp Materials NA-Concord, ON
SHIP TO ThyssenKrupp Materials NA-Concord, ON
Quantity Certified 3,288 lbs 527 pcs
MANIFEST NUMBER 306139
CUSTOMER PO PEC-277578
CUSTOMER PART NUMBER RD0003
DIN NUMBER RD0003
DATE OF SHIPMENT 8/30/2016
ALLOY / TEMPER 6061-T6511
SALESPERSON D. Schroeder (Canada)
DESCRIPTION Lightning Rod T6 0.750 + 0041-003
CERTIFICATION ASTM-B221-14 StencilCont
SPECIFICATION AMS-QQA-200/8 Rev-A

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown.

Mechanical Properties

Tests	Lot No.	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
14	201613234	8/9/16	min 48.90 max 51.60	min 46.10 max 48.10	min 12.60 max 16.80

DAE
11
9-8
16/12/15

Chemical Composition for Aluminum Alloy 6061

Cast #	Lot No.	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Each	Total	Melt Source
06171605	204613234	6061	0.74	0.34	0.31	0.11	0.88	0.15	0.07	0.02	97.38	0.05	0.15	United States of America
06251604	201613234	6061	0.73	0.35	0.32	0.11	0.86	0.16	0.06	0.02	97.39	0.05	0.15	United States of America

SCM extrusions are manufactured in the USA.

Print Date: 8/30/2016

THYSSENKRUPP MATERIALS NA

DART AEROSPACE
ALUMINUM SHEET 6061 T6
1250 Nom X 48.0000" X 144.0000"
PART NO.

PO/Ref: 34489

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Signed by:

BL PEC-021092-006

SDC:16
Pg 1/1

Certificate of Mill Test Results

DAS
43
0-81
12/12/14

Henan Xindatong Aluminum Industry Co., Ltd.

MILL TEST CERTIFICATE

Name	Lot No.	Size of Goods (inch)	Alloy/Temper	Chemical Composition (%)								Mechanical Properties		Standard
				Si	Fe	Cu	Mn	Mg	Ti	Cr	Al	Tensile Strength (MPa)	Elongation (%)	
Aluminum 6061 T6 Aluminum Sheet	RA31172	0.125" x 48" x 96" 0.125" x 48" x 144"	6061 T6	0.451	0.256	0.206	0.081	0.943	0.0335	0.103	Remain	305	10.5	GB/T3880-2006
	RA31175	0.125" x 48" x 120"	6061 T6	0.539	0.245	0.218	0.089	0.972	0.0327	0.124	Remain	317	12	GB/T3880-2006
	RA32008	0.125" x 60" x 120"	6061 T6	0.556	0.236	0.217	0.079	0.962	0.0226	0.104	Remain	302	10	GB/T3880-2006
	RA32009	0.125" x 60" x 144"	6061 T6	0.538	0.2498	0.224	0.075	0.957	0.0254	0.107	Remain	308	11	GB/T3880-2006
	RA32010	0.188" x 60" x 144"	6061 T6	0.625	0.205	0.235	0.092	0.101	0.0354	0.109	Remain	308	16	GB/T3880-2006

L/C REF: 101LC22294

Description of Goods and/or Services
+ 24.022 METRIC TONS ALUMINUM 6061 T6 ALUMINUM SHEET
ACCORDING TO ASTM B209, AMS 4027N AND AMS QQ-A-250/1
CIF TORONTO

Inspector: Shao Jiguo

Date: MAY 24, 2016

Henan Xindatong Aluminum Industry Co., Ltd.

THYSSENKRUPP MATERIALS NA

DART AEROSPACE
STAINLESS STEEL SHEET 304-2B
0.360 Nom X 48.0000" X 96.0000"
PART NO.

PO/Rel 34489

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-021092-011

SDec16
Pg 1/1

Signed by:



連綿鋼鐵股份有限公司
YUEN CHANG STAINLESS STEEL CO.

檢驗證明書

MILL TEST CERTIFICATE

列印日期 ISSUE DATE : 2015/04/27

高雄市中區中正路235號13F
13F, No. 235 Jungfeng 4th Road, Chianjin
Chiou, Kaohsiung, Taiwan
TEL : 886-7-9655858 FAX : 886-7-9655768
http://www.yuenchang.com.tw

客戶名稱 Customer Thyssenkrupp Steel Services
A Division Of Thyssenkrupp Materials Nte Inc
22355 West Eleven Mile Road Southfield MI 48033 USA

商品描述 Desc Of Goods Prime, Cold Rolled Stainless Steel Coil/Sheets, Sitted Edge, As Per ASTM A240/A480.
Grade 304, 2B Finish, Laser PVC On One Main Side, With Back Pass
Grade 304, 2B Finish, With Paper Interleaf

鋼捲編號

爐號

鋼種

表面

產品尺寸
DAS 48 96 2015/4/27

項目 Item

Coil No.

Heat Number(s)

Steel Grade

Finish

Thickness x Width x Length (INCH)

淨重

AE004

CCBE0004-15

AOA010-AAD

304

2B

20GA x 48 x 96

1.158

AE005

CCBE0003-05

AOA010-AAD

304

2B

20GA x 48 x 96

189

AE001

CCWR0007-22

AOA005-AAH

304

2B

16GA x 48 x 96

934

AE006

CCWR0007-23

AOA005-AAH

304

2B

16GA x 48 x 96

418

AE003

CCCS0396-29

ANJ033-AAF

304

NO.4

20GA x 48 x 120

1.411

化學成分 Chemical Composition / Chemical Analysis (%)

Item	C	Si	Mn	P	S	Cr	Ni	N	Cu	Mo	Others	T.S N/MM2	YS(0.2%) N/MM2	Elong (%)	HB	HRB	HV
AE004	0.021	0.310	1.370	0.031	0.0014	18.240	8.050	0.074	0.270	0.100		654	306	56.0			171.0
AE005	0.021	0.310	1.370	0.031	0.0014	18.240	8.050	0.074	0.270	0.100		652	311	56.0			170.0
	0.021	0.310	1.370	0.031	0.0014	18.240	8.050	0.074	0.270	0.100		654	306	56.0			171.0
AE001	0.021	0.270	1.330	0.030	0.0083	18.290	8.020	0.077	0.310	0.150		668	344	49.0			187.0
AE006	0.021	0.270	1.330	0.030	0.0083	18.290	8.020	0.077	0.310	0.150		668	344	49.0			187.0
AE003	0.018	0.340	1.390	0.031	0.0054	18.200	8.030	0.074	0.270	0.100		643	280	60.0			166.0

機械性質 Mechanical Properties

QC Manager

ISO 9001

David Wang

茲證明本廠所製產品，均依材料規格製造及試驗，並符合規格之要求。
We hereby certify that the products described herein have been manufactured and tested with satisfactory results in accordance with the requirement of the above material specification.
本產品無磁射污染，並且不含汞。 The material described above is free from radiation contamination and mercury.
本廠符合EN10204/Type 3.1認證。 Inspection certificate in accordance with EN10204/Type 3.1.
本廠所製產品均符合ASTM A240規格要求。 All the above products conform to the requirements specified in ASTM A240.
WE HEREBY CERTIFYING THE MATERIAL TO ASTM A240/A480 AS PER EN 10204/3.1.
THYSSENKRUPP MATERIALS NA, PO PEC-263720, PEC-263821.

THYSSENKRUPP MATERIALS NA

PO/Rel 34489

Certificate of Mill Test Results

ALUMINUM ROUND BAR 6061-T6511
50" DIA X 144.0000"
PART NO.

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

BL PEC-021092-004

5Dec16
Pg 1/1



Can Do.

Service Center Metals

5850 Quality Way
Prince George, VA 23875

CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

OUR ORDER NUMBER	ITEM
266822	5

BILL TO

ThyssenKrupp Materials NA-Concord, ON

MANIFEST NUMBER

302573

DIE NUMBER

RD0001

DATE OF SHIPMENT

7/28/2016

CERTIFICATION

ASTM-B221-14 No Stencil

SHIP TO

ThyssenKrupp Materials NA-Concord, ON

CUSTOMER PO

PEC-276004

SALES PERSON

D. Schroeder (Canada)

SPECIFICATION

AMS-QQA-200/8 Rev-A

Quantity Certified 1,179 lbs

427 pcs

CUSTOMER PART NUMBER TKM-1255

Lightning Rod Tne 0.500 + .0041-.003

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. Items produced and certified as 6061-T6511 also meet the requirements of 6061-T6.

Mechanical Properties

Tests Lot No.

10

201612660

Test Date

7/25/16

Ultimate Tensile Strength (KSI)

min 49.00

max 50.80

Yield Strength (KSI)

min 45.50

max 47.50

Percent Elongation

min 11.10

max 15.85

DAS
14
9-88

11/12/15

Chemical Composition for Aluminum Alloy 6061

Cast #	Lot No.	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Others	Melt Source:
04111602	201612660	6061	0.71	0.38	0.31	0.10	0.86	0.16	0.06	0.02	97.40	0.05	0.15
07101604	201612660	6061	0.76	0.35	0.31	0.13	0.85	0.15	0.06	0.02	97.37	0.05	0.15

United States of America
United States of America

SCM extrusions are manufactured in the USA.

Print Date: 7/28/2016

Calvin L. Wiggins, Director of Quality & Technical Services

Rev 3/2011-015

THYSSENKRUPP MATERIALS NA

STAINLESS STEEL ROUND BAR 303 STAINLESS
50" DIA X 144.0000"
PART NO.

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Signed by: _____
Attn: _____

BL PEC-021092-007
Pg 1/1

Certificate of Mill Test Results



North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K1Z3
Canada

METALLURGICAL TEST REPORT

6870 Highway 42 East
Ghent, KY 41045-9615
(502) 347-6000

Certificate: 221589 1 Mail To:
Customer: 007206 001 THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Ship To:
THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Date: 9/26/2016 Page: 1
Steel 303
Finish: CD

Your Order: PEC277985

NAS Order: IN 0237163 01

Corrosion:

PRODUCT DESCRIPTION:

Round Bar Annealed Cold Draw
UNS 30300 ASTM A582/12 EN 10204 3.1, ASTM A484/15
AMS 5640V TYPE 1 305-764B CONDITION A
SOLUTION ANNEAL TEMP 1900F MIN

REMARKS:

COMPLIES W/ REQUIREMENTS OF DPAR 252.225-7009 EU DIRECTIVE
2011/65/EU ROHS, BAF+MOD+CC. NO WELD REPAIR, MELTED AND MFG
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

DAS
14
9-86
16/12/15

Product ID	Skid #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
BI0270 6		.5000		1.130	144.00	1	1	

CHEMICAL ANALYSIS									
CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)									
Lab Accreditation Bureau, ISO/IEC 17025, Certificate# 12323									
Chemical Analysis per ASTM A751/14a									
HEAT	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %
Q20B	US	.0391	.1180	17.0795	.3080	1.9090	.2775	.0424	8.5355
S %	SI %								
	.3170	.6525							

MECHANICAL PROPERTIES

Product ID	1 d o f c f	HB No.	.2YS KSI	UTS KSI	RA %	Ring % 2"
BI0270 6	R L	192.0	85.30	106.43	31.44	24.10

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr.

KRIS LARK

11/15/2016

THYSSENKRUPP MATERIALS NA

ALUMINUM PLATE BA 6061-T6511
50" X 2.00" X 144.0000"
PART NO

PO/BL 34489

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results
BL PEC-021092-001
SDect6
Pg 1/1



Can Do.

Service Center Metals
5850 Quality Way
Prince George, VA 23875



CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

OUR ORDER NUMBER	ITEM
272627	11

BILL TO

ThyssenKrupp Materials NA-Concord, ON
SHIP TO

MANIFEST NUMBER

309220

CUSTOMER PO

PEC-277634

Quantity Certified 5,828 lbs 413 pcs

CUSTOMER PART NUMBER

RB0096

DIE NUMBER

RB0096

DATE OF SHIPMENT

9/30/2016

SALES PERSON

D. Schroeder (Canada)

DESCRIPTION

6061-T6511

SCRB 500X2.000

CERTIFICATION

ASTM-B221-14 SpencilCont

SPECIFICATION

AMS-QQA-2008 Rev-A

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. This product is RoHS-2, REACH, and DFARS compliant.

Mechanical Properties

Tests Lot No.

5 201616584

9/27/16

Test Date Ultimate Tensile Strength (KSI) Yield Strength (KSI) Percent Elongation

min 44.80 max 46.80 min 40.90 max 42.80 min 13.15 max 19.80

DP5
14
9.85

12/11/2015

Chemical Composition for Aluminum Alloy 6061

Cast #	Lot No.	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Each	Total	Melt Source
2K160917C	201616584	6061	0.61	0.21	0.20	0.07	0.86	0.06	0.02	0.02	97.95	0.05	0.15	United States of America
2M160916K	201616584	6061	0.61	0.19	0.20	0.06	0.85	0.07	<0.01	0.02	98.00	0.05	0.15	United States of America

Others

SCM products are melted and extruded in the USA

Print Date: 9/30/2016

THYSSENKRUPP MATERIALS NA

STAINLESS STEEL ROUND BAR 303 STAINLESS
1.00" DIA X 144.0000"

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

[Signature]

Certificate of Mill Test Results
BL PEC-021092-008
SDC16
Pg 1/1



North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K1Z3
Canada

METALLURGICAL TEST REPORT

6870 Highway 42 East
Ghent, KY 41045-9615
(502) 347-6000

Certificate: 171382 2 Mail To:
THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Ship To:
THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Date: 4/28/2016 Page: 1
Steel: 303
Finish: CP

Your Order: PEC274951

NAS Order: IN 0231041 01

Corrosion:
Red Ratio: 69.4 : 1

PRODUCT DESCRIPTION:

ROUND BAR, Annealed, Cold Draw
UNS 30300, ASTM A582/13 EN 10204 3.1, ASTM A484/11
AMS-5640V TYPE 1, QCS-764B CONDITION A
SOLUTION ANNEAL TEMP 1900F MIN

REMARKS:

COMPLIES W/REQUIREMENTS OF DFM 252.225-7009 EU DIRECTIVE
2011/65/EU, ROHS, EAF+AD+CC. NO WELD REPAIR, MELTED AND MFG
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

DAS
14
9-89

16/12/15

Product ID	Skid #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
BH0463 5		1.0000		965	144.00	2	1	

CHEMICAL ANALYSIS

CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323
Chemical Analysis per ASTM A751/14a

CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
UG	.0407	.1545	17.1360	.2835	1.8050	.2835	.0396	0.2895	.0270

S % .3305
BI % .3755

MECHANICAL PROPERTIES

Product ID	LD	HB	2YS	UTS	RA	Elong
	CI	NO.	KGf	KSI	%	% AD
BH0463 5	RL	236.0	71.75	96.35	49.25	29.18

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr.

[Signature]

THYSSENKRUPP MATERIALS NA

DART AEROSPACE
STAINLESS STEEL SHEET 304-2B
1200 Nom X 48.0000" X 96.0000"
PART NO.

PO/Rel 34489

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Signed by:

[Signature]

Certificate of Mill Test Results
BL PEC-021092-009
SDec16
Pg 1/1

YIEH MAU CORP.

INSPECTION CERTIFICATE

2115

INVOICE NO. : F16M239
COMMODITY : PRIME COLD ROLLED STAINLESS STEEL SHEET

SPECIFICATION : AISI 304 ASTM A240/A480-11a ASME SA240/SA480-11a
CUSTOMER : OLBERT METAL SALES LIMITED

NO. 345, SHUN-AN RD., LUZHU DIST.,
KAOHSIUNG CITY 821, TAIWAN, (R.O.C.)
TEL NO : 886-7-697-6266
FAX NO : 886-7-697-3006
CERTIFICATE NO: F16M239
DATE OF ISSUE: 03/11/2016
PAGE: 1

GLOBAL SALES LIMITED										DATE OF ISSUE: 03/11/2016		PAGE: 1		F16M239				
SIZE	NO. of Product	Weight in KG	Heat No.	ID No.	Mechanical Properties					Chemical Composition								
					Tensile Test ($\sigma = F_0 / m$)					%								
		NET			Y.S. (N/mm ²)	T.S. (N/mm ²)	EL. (%)	HRB	IV	C $\times 100$	Si $\times 100$	Mn $\times 100$	P $\times 1000$	S $\times 1000$	Ni $\times 100$	Cr $\times 100$	N $\times 100$	
304 N4 LASER	1	1,158	LZ504732	4BS78235C-111	326	702	53	89	188	4.2	39	119	30	2	800	1830	5	
12GA X 48" X 96"	1	1,158	LZ504732	4BS78235C-112	326	702	53	89	188	4.2	39	119	30	2	800	1830	5	
12GA X 48" X 96"	1	1,215	LZ504732	4BS78235C-113	326	702	53	89	188	4.2	39	119	30	2	800	1830	5	
14GA X 60" X 120"	1	1,168	LZ504732	51S80797A-11	290	686	55	84	167	4.9	49	105	24	3	810	1854	4.6	
14GA X 60" X 120"	1	1,108	LZ504732	51S80797A-12	290	686	55	84	167	4.9	49	105	24	3	810	1854	4.6	
16GA X 48" X 96"	1	1,108	LZ504732	51S80797A-13	290	686	55	84	167	4.9	49	105	24	3	810	1854	4.6	
16GA X 48" X 96"	1	1,146	LZ505037	51S80012A-211	312	711	54	86	177	4.5	43	115	29	2	800	1800	5	
18GA X 48" X 96"	1	1,146	LZ505037	51S80012A-212	312	711	54	86	177	4.5	43	115	29	2	800	1800	5	
18GA X 48" X 96"	1	1,041	LZ505037	51S80012A-213	312	711	54	86	177	4.5	43	115	29	2	800	1800	5	
18GA X 48" X 96"	1	1,108	LZ505037	4CS79313B-11	308	679	57	85	172	4.6	47	90	40	2	806	1816	4.6	
18GA X 48" X 96"	1	1,108	LZ505037	4CS79313B-12	308	679	57	85	172	4.6	47	90	40	2	806	1816	4.6	
18GA X 48" X 96"	1	1,108	LZ505037	4CS79313B-13	308	679	57	85	172	4.6	47	90	40	2	806	1816	4.6	
18GA X 48" X 120"	1	1,320	LZ505037	4CS79313B-14	308	679	57	85	172	4.6	47	90	40	2	806	1816	4.6	
18GA X 48" X 120"	1	1,320	LZ505037	4CS79313B-15	308	679	57	85	172	4.6	47	90	40	2	806	1816	4.6	
18GA X 48" X 120"	1	1,320	LZ505037	4CS79313B-16	308	679	57	85	172	4.6	47	90	40	2	806	1816	4.6	
18GA X 48" X 120"	1	1,320	LZ505037	4CS79313B-17	308	679	57	85	172	4.6	47	90	40	2	806	1816	4.6	
18GA X 48" X 120"	1	1,355	LZ506046	4CS78158A-11	288	700	52	85	172	5	38	109	27	2	800	1800	4	
20GA X 48" X 96"	1	1,154	LZ504646	4BS78158A-14	288	700	52	85	172	5	38	109	27	2	800	1800	4	
20GA X 48" X 96"	1	1,154	LZ504646	4BS78158A-15	288	700	52	85	172	5	38	109	27	2	800	1800	4	
20GA X 48" X 96"	1	1,154	LZ504646	4BS78158A-16	288	700	52	85	172	5	38	109	27	2	800	1800	4	
20GA X 48" X 120"	1	1,154	LZ504646	4BS78158A-11	288	700	52	85	172	5	38	109	27	2	800	1800	4	
20GA X 48" X 120"	1	1,154	LZ504646	4BS78158A-12	288	700	52	85	172	5	38	109	27	2	800	1800	4	
20GA X 48" X 120"	1	1,154	LZ504646	4BS78158A-13	288	700	52	85	172	5	38	109	27	2	800	1800	4	
Items:					23	27180												
NO MERCURY CONTAMINATION																		
WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN MADE IN ACCORDANCE WITH THE RULES OF THE MILL CERTIFICATION																		
THE COUNTRY OF ORIGIN IS INDIA																		

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM SQUARE BAR 6061-T6511
1.250" X 144.0000"
PART NO.

PO/Rel 34489

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-021092-002

SDec16

Signed by: 

Pg 1/2

KAISER
ALUMINUM
FABRICATED PRODUCTS

Best in Class

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CUSTOMER PO NUMBER: PEC-277949-2		CUSTOMER PART NUMBER: 386/STK		PRODUCT DESCRIPTION: 1.250 SC SQ BAR	
KAISER ORDER NUMBER: 6017188	LINE ITEM: 002	SHIP DATE: 09/23/2016	KAISER LOT NUMBER: Z00240110	ALLOY: 6061	TEMPER: T6511
WEIGHT SHIPPED: 926.000 LB	QUANTITY: 42.000 PCS	B/L NUMBER: 616941	DIAM/DAF/THKNS. 	WIDTH 	LENGTH: 12.000 FT
SHIP TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA			SOLD TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA		

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
Z00240110	0001	0001	44.1	39.3	17.2	RE 91	N/A	N/A
Z00240110	0001	0002	44.2	38.9	16.7	RE 90	N/A	N/A
Z00240110	0001	0003	43.8	38.9	18.2	RE 91	N/A	N/A
Z00240110	0001	0004	42.3	37.2	21.3	RE 90	N/A	N/A
Z00240110	0001	0005	42.2	37.5	21.7	RE 90	N/A	N/A
Z00240110	0001	0006	43.8	39.0	19.1	RE 90	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.30	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
106539	.60	.26	.21	.08	.84	.06	.02	.02	.00	.00	.00	.01	.04

Applicable Requirements:

ASTM-B221-14 STENCILED ASME-SB221 2009 SECT II AMS-QQ-A-200/BA UNS#A96061 (T6511 also conforms to T6-not applicable to other tempers)

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA
MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY OF ITS COMPOUNDS ARE UTILITZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

Plant Serial: 00251944

Kaiser Order Number: 6017188

Line Item: 002

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM SQUARE BAR 6061-T6511

1.250" X 144.0000"

PART NO.

PO/Rel 34489

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

Signed by: 

BL PEC-021092-002

SDec16

Pg 2/2

KAISER
ALUMINUM
FABRICATED PRODUCTS

Best in Class

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Aimee L. Macnowski, Quality & Technology Manager

Aimee L. Macnowski

Plant Serial: 00251944

Kaiser Order Number: 6017188

Line Item: 002

Page 2 of 2

THYSSENKRUPP MATERIALS NA

Certificate of Mill Test Results

PART NO.

PO/Rel
We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by: _____
Attn: _____
BL PEC-000000-000

Pg 1/1



Customer: OLBERT METAL SALES LIMITED

MILL CERTIFICATE

Customer No.: FB0013

Order No.: UB1000202

Product: COLD ROLLED STAINLESS STEEL SHEET IN COIL
NO.28 FINISH

Certificate: B16085A06

Date: MAR. 25, 2016

Page: 1/1

Specification/Steel Grade: DIN EN 10028-2 L 430T/L 4307 C
Surface Finish: No. 2B

Product ID	Chemical Composition (%)										Tensile Test				Hardness Test		Bend Test
	C	Si	Mn	P	S	NI	Cr	N	Mo	Cu	0.2% Y.S.	1% Y.S.	T.S.	EL(%)	HRC	HV	
Min																	
Max																	
53S82539A	0.020	0.35	1.58	0.028	0.001	8.00	17.50	0.060	0.00	0.00	320	260	540	45	38	175	
53S82539B	0.020	0.35	1.58	0.028	0.001	8.00	18.30	0.060	0.00	0.00	332	378	700	53	86	175	
53S82539C	0.020	0.35	1.58	0.028	0.001	8.00	18.30	0.060	0.00	0.00	332	378	667	53	86	175	
53S82539D	0.020	0.35	1.58	0.028	0.001	8.00	18.30	0.060	0.00	0.00	332	378	667	53	86	175	
Product ID	Heat No.	Dimension			Edge	QTY	Weight		Remarks								
		3.00 mm	* 1219 mm	* Coil			5.074 KG		1 Test Method: 1.1 Test Analysis: C,S,N by DIN EN ISO 9556:2002, EN 24835:1991, EN ISO 10720:2007, Others by EN10320:2004. 1.2 Tensile Test: EN 6892-1:2009. 2 MECHANICAL PROPERTIES REFER TO TENSILE TEST, HARDNESS TEST. 3 PO 2116								
53S82539B	L2600464	3.00 mm	* 1219 mm	* Coil	C	1	5.074 KG										
53S82539C	L2600464	3.00 mm	* 1219 mm	* Coil	C	1	5.074 KG										
53S82539D	L2600464	3.00 mm	* 1219 mm	* Coil	C	1	5.244 KG										
							Subtotal 20.471 KG										

Specification/Steel Grade : DIN EN 10028-2 1.4301/1.4307 C
Surface Finish : No. 2B

- We hereby certify that material described herein has been manufactured and tested with satisfactory results in accordance with the requirement of the above material specification.
- The material described above has been detected with free irradiation.
- USC has established a QMS according to ISO 9001, which is certified by DNV CERT (reg. no: 0058-2002-AQ-RCC-8VA)
- The report can only be reproduced in full.
- This certificate complies to J.1/01 EN 10204:2005.
- The tests including "Tensile Test", "Intergranular Attack" (I.I.T.E.S.T.) have been accredited by AELAC (TESTING CERT P0958-02).

Manager of Quality Assurance Department

C.W. Chang

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304511GA
 DATE: 16-12-12

PO / BATCH NO.: P034489/M131327

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 32 sq/Ft
 QUANTITY INSPECTED: 32 sq/Ft
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .140
 THICKNESS RECEIVED: .146
 SHEET SIZE ORDERED: 4x3
 SHEET SIZE RECEIVED: 4x3

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	(N)	
CORRECT FINISH	(Y)	N	
CORROSION	Y	(N)	
CORRECT GRAIN DIRECTION	(Y)	N	
CORRECT MATERIAL	(Y)	N	
CORRECT THICKNESS	(Y)	N	
PHOTO REQUIRED	Y	(N)	
CORRECT MATERIAL	(Y)	N	
CORRECT REF # TO LINK CERT	(Y)	N	<u>62600464</u>
CORRECT MATERIAL IDENTIFICATION	(Y)	N	
CORRECT M# ON THE MATERIAL	(Y)	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	(N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>9-89</u> DATE: <u>16-12-12</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M16061T6S.125
DATE: 11/12/08

PO / BATCH NO.: PO 34489 / 136327

MATERIAL CERT REC'D: yes
QUANTITY RECEIVED: 48
QUANTITY INSPECTED: 48
QUANTITY REJECTED: 0

THICKNESS ORDERED: .125
THICKNESS RECEIVED: .125
SHEET SIZE ORDERED: 4x12
SHEET SIZE RECEIVED: 4x12

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	
CORROSION	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	16061 T6
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	.125
PHOTO REQUIRED	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	ASTM B209
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	Heat # RA31172
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	M16061T6S.125
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	M 136327
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>48</u>	SIGNED OFF BY: _____		
DATE: <u>11/12/08</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304S16GA
 DATE: 11/12/08

PO / BATCH NO.: 1034489 / 136327

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 120
 QUANTITY INSPECTED: 120
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .063
 THICKNESS RECEIVED: .057
 SHEET SIZE ORDERED: 4x10
 SHEET SIZE RECEIVED: 4x10

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y N	
CORROSION	Y <input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y N	304 16 GA
CORRECT THICKNESS	<input checked="" type="radio"/> Y N	.057
PHOTO REQUIRED	Y <input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y N	ASTM A240
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y N	Heat # Y0175063
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y N	M304S16GA
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y N	M136327
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING		N	A	

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>48</u> DATE: <u>11/12/08</u>	SIGNED OFF BY: _____ DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304520GA
DATE: 16/12/08

PO / BATCH NO.: PO34489/136327

MATERIAL CERT REC'D: yes
QUANTITY RECEIVED: 64
QUANTITY INSPECTED: 64
QUANTITY REJECTED: 0

THICKNESS ORDERED: .040
THICKNESS RECEIVED:
SHEET SIZE ORDERED: 4x8
SHEET SIZE RECEIVED: 4x8

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	<input type="radio"/> N	
CORROSION	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	<input type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	<input type="radio"/> N	304 20GA
CORRECT THICKNESS	<input checked="" type="radio"/> Y	<input type="radio"/> N	.035
PHOTO REQUIRED	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	<input type="radio"/> N	ASTM A240
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	<input type="radio"/> N	Heat # A0A010-AAD
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	<input type="radio"/> N	M304520GA
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	<input type="radio"/> N	M136327
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input type="radio"/> Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input type="radio"/> Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING		N	A	

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>48</u>	SIGNED OFF BY: _____		
DATE: <u>16/12/08</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: ML6061T6B.500x2.000 PO / BATCH NO: 34489/136327
 DATE: 16/12/15

MATERIAL CERT REQD: yes
 QUANTITY RECEIVED: 12'
 QUANTITY INSPECTED: 12'
 QUANTITY REJECTED: _____

THICKNESS ORDERED: .500
 THICKNESS RECEIVED: .500
 SHEET SIZE ORDERED: _____
 SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/> N	
CORROSION	Y <input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> N	<u>6061T6</u>
CORRECT THICKNESS	<input checked="" type="checkbox"/> N	<u>.500</u>
PHOTO REQUIRED	Y <input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/> N	<u>AMS-QQ-A-200/8</u>
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> N	<u>HEAT# 201616584</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> N	<u>ML6061T6B.500x2.00</u>
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> N	<u>M136327</u>
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>DAS</u> <u>14</u> <u>9.89</u>		SIGNED OFF BY: _____	
DATE: <u>16/12/15</u>		DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: ML06ITL6B1.250X1.250 PO / BATCH NO.: 34489/136327
 DATE: 16/12/15

MATERIAL CERT REQ'D: yes THICKNESS ORDERED: 1.250
 QUANTITY RECEIVED: 12' THICKNESS RECEIVED: 1.250
 QUANTITY INSPECTED: 12' SHEET SIZE ORDERED: _____
 QUANTITY REJECTED: _____ SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/> N	
CORROSION	Y <input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> N	<u>ML06ITL6</u>
CORRECT THICKNESS	<input checked="" type="checkbox"/> N	<u>1.250</u>
PHOTO REQUIRED	Y <input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/> N	<u>AMS-QQ-A-200/84</u>
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> N	<u>HEAT# 200240110</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> N	<u>ML06ITL6B1.250X1.250</u>
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> N	<u>MB6327</u>
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK.
 RECORD RESULTS BELOW

	HRC	HRB	DUR A	DUR D
TYPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>14</u> <u>9-89</u>	SIGNED OFF BY: _____	
DATE: <u>16/12/15</u>	DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL ML601TL B2.00X1.25 PO / BATCH NO. 34489/136327
 DATE 16/12/15

MATERIAL CERT REQ'D yes
 QUANTITY RECEIVED: 12'
 QUANTITY INSPECTED: 12'
 QUANTITY REJECTED: _____

THICKNESS ORDERED: 1.25
 THICKNESS RECEIVED: 1.25
 SHEET SIZE ORDERED: _____
 SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/> Y	
CORRECT FINISH	<input checked="" type="checkbox"/> Y	
CORROSION	<input checked="" type="checkbox"/> Y	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y	<u>6061TL</u>
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y	<u>1.25</u>
PHOTO REQUIRED	<input checked="" type="checkbox"/> Y	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y	<u>AMS-QQ-A-200/8</u>
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y	<u>HEAT# 201613776</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y	<u>ML601TL B2.00X1.25</u>
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y	<u>M136327</u>
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/> Y	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/> Y	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

Testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>DAS</u>	SIGNED OFF BY: _____		
DATE: <u>16/12/15</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL ML06, IT6 R.750
 DATE 16/12/15

PO / BATCH NO: 34489/136327

MATERIAL CERT REQD yes
 QUANTITY RECEIVED: 24'
 QUANTITY INSPECTED: 24'
 QUANTITY REJECTED: _____

THICKNESS ORDERED: .750
 THICKNESS RECEIVED: .750
 SHEET SIZE ORDERED: _____
 SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORROSION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<u>6061T6</u>
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<u>.750</u>
PHOTO REQUIRED	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<u>AMS-QQ-A-200/8</u>
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<u>HEAT# 201613234</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<u>ML06, IT6 R.750</u>
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<u>M136327</u>
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>14</u> <u>9-89</u> DATE: <u>16/12/15</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL 6061 T6 R.500
 DATE 11/12/15

PO / BATCH NO: 34489/136327

MATERIAL CERT REQD: yes
 QUANTITY RECEIVED: 12'
 QUANTITY INSPECTED: 12'
 QUANTITY REJECTED: _____

THICKNESS ORDERED: .500
 THICKNESS RECEIVED: .500
 SHEET SIZE ORDERED: _____
 SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/> N	
CORROSION	Y <input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> N	<u>6061 T6</u>
CORRECT THICKNESS	<input checked="" type="checkbox"/> N	<u>.500</u>
PHOTO REQUIRED	Y <input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/> N	<u>AMS-QQA-20018</u>
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> N	<u>HEAT# 201612660</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> N	<u>6061 T6 R0.500</u>
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> N	<u>M136327</u>
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>14</u> <u>9-89</u> DATE: <u>11/12/15</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL M303 RD.500
 DATE 11/12/15

PO / BATCH NO. 34489/134327

MATERIAL CERT REQ'D yes
 QUANTITY RECEIVED: 24'
 QUANTITY INSPECTED: 24'
 QUANTITY REJECTED: _____

THICKNESS ORDERED .500
 THICKNESS RECEIVED: .500
 SHEET SIZE ORDERED: _____
 SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/> N	
CORROSION	Y <input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> N	303
CORRECT THICKNESS	<input checked="" type="checkbox"/> N	.500
PHOTO REQUIRED	Y <input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/> N	ASTM A582
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> N	HEAT # 020B
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> N	M303 RD.500
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> N	M136327
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

Testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>14</u> <u>9-89</u> DATE: <u>11/12/15</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL M303 R1.000
DATE 16/12/15

PO / BATCH NO: 34489/136327

MATERIAL CERT REQD yes
QUANTITY RECEIVED: 12'
QUANTITY INSPECTED: 12'
QUANTITY REJECTED: _____

THICKNESS ORDERED 1.00
THICKNESS RECEIVED: 1.06
SHEET SIZE ORDERED: _____
SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/> N	
CORROSION	Y <input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> N	303
CORRECT THICKNESS	<input checked="" type="checkbox"/> N	1.00 1.06
PHOTO REQUIRED	Y <input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/> N	ASTM A582
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> N	HEAT # 94RS
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> N	M303 R1.00
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> N	4136327
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK.
RECORD RESULTS BELOW

	HRC	HRB	DUR A	DUR D
TYPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION

ENGINEERING SIGNOFF (if required)

INSPECTED BY: DAS
14
9-89

SIGNED OFF BY: _____

DATE: 16/12/15

DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO34489**

Purchase Order Date 12/1/2016

PO Print Date 12/2/2016

Page Number 1 of 7

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

REVISED

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms Net 30

Currency CAD

FOB FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	M6061T6B0.500X02.000	6061-T6 Bar .500 x 2.00	12/7/2016 Yes 12/7/2016		12.00 f	\$4.58	\$55.00
MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221							
Line Total:							\$55.00
2	M6061T6B1.250X01.250	6061-T6 Bar 1.25 x 1.25	12/7/2016 Yes 12/7/2016		12.00 f	\$4.58	\$55.00
MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221							
Line Total:							\$55.00

616-12-7

PO Instructions: QUOTATION # ST-993768

Note:

12/2/2016



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO34489**

Purchase Order Date 12/1/2016

PO Print Date 12/2/2016

Page Number 2 of 7

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms Net 30

Currency CAD

FOB FCA - (Free Carrier)

3	M6061T6B2.000X01.250 ✓	6061-T6 Bar 2.00 x 1.25 ✓	12/7/2016	12.00 ✓	\$8.32	\$99.84
			Yes	f		
			12/7/2016			

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Line Total: \$99.84

4	M6061T6R0.500 ✓	6061-T6 Round Bar .500" ✓	12/7/2016	12.00 ✓	\$4.58	\$55.00
			Yes	f		
			12/7/2016			

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM ROUND BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Line Total: \$55.00

5	M6061T6R0.750 ✓	6061-T6 Round Bar .750" ✓	12/7/2016	24.00 ✓	\$2.40	\$57.60
			Yes	f		
			12/7/2016			

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM ROUND BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

SP/1612-7.

PO Instructions: QUOTATION # ST-993768

Note:

12/2/2016



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO34489

Purchase Order Date 12/1/2016

PO Print Date 12/2/2016

Page Number 3 of 7

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms Net 30

Currency CAD

FOB FCA - (Free Carrier)

Line Total: \$57.60

7 M6061T6S.125 6061-T6 .125 Sheet 12/7/2016 48.00 \$6.13 \$294.00
Yes
12/7/2016
sf

MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER
QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027
OR ASTM B209

Line Total: \$294.00

9 M303R0.500 303 Round Bar 0.500" 12/7/2016 24.00 \$2.44 \$58.48
Yes
12/7/2016
f

MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

Line Total: \$58.48

10 M303R1.000 303 Round Bar 1.00 12/7/2016 12.00 \$8.32 \$99.87
Yes
12/7/2016
f

MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

PO Instructions: QUOTATION # ST-993768

Note:

SP/16-127.

12/2/2016



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO34489**

Purchase Order Date 12/1/2016

PO Print Date 12/2/2016

Page Number 4 of 7

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905 669 9444

Ship To Contact
Ship To Phone
Ship Via: VENDOR'S TRUCK
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

				Line Total:	\$99.87
11	M304S11GA	304/316 0.125 Sheet	12/7/2016 Yes 12/7/2016	32.00 sf	\$9.25 \$296.00

PURCHASE MATERIAL: AISI 304/316 SS SHEET
ANNEALED
SPECIFICATION: MIL-S-5059
OR AMS 5513 (304)
OR AMS 5524 (316)
ORASTMA240
OR ASME SA240

				Line Total:	\$296.00
12	M304S16GA	304/316 Sheet .063	12/7/2016 Yes 12/7/2016	120.00 sf	\$4.63 \$555.77

PURCHASE MATERIAL: AISI 304/316 SS SHEET
ANNEALED
SPECIFICATION: MIL-S-5059
OR AMS 5513 (304)
~~OR AMS 5524 (316)~~
~~ORASTMA240~~
~~OR ASME SA240~~

SP16-12-7

PO Instructions: QUOTATION # ST-993768

Note:

12/2/2016



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO34489

Purchase Order Date 12/1/2016

PO Print Date 12/2/2016

Page Number 5 of 7

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905 669 9444

Ship To Contact
Ship To Phone
Ship Via: VENDOR'S TRUCK
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

Line Total: \$555.77

13	M304S20GA	304/316 .040 Sheet	12/7/2016	64.00	\$4.25	\$272.01
			Yes	sf		
			12/7/2016			

PURCHASE MATERIAL: AISI 304/316 SS SHEET
ANNEALED
SPECIFICATION: MIL-S-5059
OR AMS 5513 (304)
OR AMS 5524 (316)
ORASTMA240
OR-ASME SA240

8016-12-7

Line Total: \$272.01

14	M7075T6B0.375X6.000	7075-T6 Plate 0.375" X 6.000", QQ-A 250/12	12/14/2016 FN	12.04	\$26.54	\$319.50
			Yes	f		
			12/14/2016			

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR
AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR
PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE

Line Total: \$319.50

PO Instructions: QUOTATION # ST-993768

Note:

12/2/2016



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO34489**

Purchase Order Date 12/1/2016

PO Print Date 12/2/2016

Page Number 6 of 7

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Customer POID

Customer Tax # 10127-2607

Terms

Currency

FOB

Chantal Lavoie

Net 30

CAD

FCA - (Free Carrier)

15	M7075T6B5.000X1.000	7075-T6 BAR 5.000" X 1.000"	12/7/2016	0.00	\$0.00	\$0.00
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Yes

f

12/7/2016

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR
AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR
PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE

	M7075T6B5.000X1.000		12/14/2016	12.04	\$41.94	\$505.00
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f

12/14/2016

Line Total: \$505.00

16	M7075T6B6.000X1.000	7075-T6 BAR 6.000" X 1.000"	12/14/2016	12.04	\$46.68	\$562.00
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Yes

f

12/14/2016

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR
AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR
PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE

Line Total: \$562.00

PO Instructions: QUOTATION # ST-993768

Note:

12/2/2016



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1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO34489**

Purchase Order Date 12/1/2016

PO Print Date 12/2/2016

Page Number 7 of 7

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA – (Free Carrier)

17	71401-45	PROCUREMENT QUALITY CLAUSES	12/7/2016	1.00	\$0.00	\$0.00
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No

Procurement Quality Clauses

12/7/2016

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

Line Total: \$0.00

PO Total: \$3,285.07

PO Instructions: QUOTATION # ST-993768

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 2

Change Date: 12/2/2016